

**What is claimed is:**

- 1 1: A method comprising:
  - 2 determining a domain name of a device; and
  - 3 deriving a substantially fully qualified server name utilizing the domain name.
- 1 2: The method of claim 1, wherein deriving a substantially fully qualified server name
  - 2 comprises utilizing a host name.
- 1 3: The method of claim 2, wherein utilizing a host name comprises utilizing a
  - 2 substantially predefined host name.
- 1 4: The method of claim 2, wherein deriving a substantially fully qualified server name
  - 2 comprises combining the domain name and the host name.
- 1 5: The method of claim 1, wherein determining a domain name of a device comprises
  - 2 utilizing a network address.
- 1 6: The method of claim 5, wherein utilizing a network address comprises utilizing an
  - 2 Internet Protocol address (IP address).
- 1 7: The method of claim 1, wherein determining a domain ~~name~~ of a device comprises
  - 2 utilizing a substantially fully qualified client name.
- 1 8: The method of claim 7, wherein determining a domain name of a device comprises
  - 2 converting a network address of the device into the substantially fully qualified client
  - 3 name.

1 9: The method of claim 8, wherein converting a network address of the device into the  
2 substantially fully qualified client name comprises utilizing a name server.

1 10: The method of claim 9, wherein utilizing a name server comprises utilizing a server  
2 which is substantially compliant with the Domain Name System (DNS).

1 11: The method of claim 7, wherein determining a domain name of a device comprises  
2 removing a host name from the substantially fully qualified client name.

1 12: The method of claim 1, further comprising making a network connection to the  
2 substantially fully qualified server name.

1 13: The method of claim 1, wherein determining a domain name of a device comprises  
2 choosing a network interface and determining the domain name associated with the  
3 network interface.

1 14: The method of claim 13, wherein choosing a network interface comprises choosing a  
2 single network interface from a group of network interfaces.

1 15: The method of claim 1, further comprising reporting an error if determining a  
2 domain name of a device cannot be accomplished.

1 16: A method comprising:  
2 reaching an agreement between two or more parties as to the to the host names for  
3 a type of servers which provide network resources; and  
4 creating a device which, when established on the same network domain as servers

5 which conform to the agreed upon host names, may dynamically configure the device to  
6 facilitate connection to at least some of the servers on the network domain.

1 17: The method of claim 16, wherein creating a device comprises creating a device  
2 which is configured to utilize, during operation, the agreed upon host names for the series  
3 of servers.

1 18: The method of claim 17, wherein creating a device comprises creating a device  
2 which, during operation, dynamically determines the domain name of the network  
3 domain upon which the device is established.

1 19: The method of claim 18, wherein creating a device comprises creating a device  
2 which, during operation, dynamically derives the fully qualified server names of the at  
3 least some of the servers utilizing at least some of the agreed upon host names and the  
4 determined domain name.

1 20: The method of claim 17, wherein creating a device comprises preconfiguring the  
2 agreed upon host names into a memory element.

1 21: The method of claim 16, further comprising establishing, within a first network  
2 domain, a first set of servers which conform to the agreed upon host names.

1 22: The method of claim 21, further comprising establishing, within a second network  
2 domain, a second set of servers which conform to the agreed upon host names.

1 23: The method of claim 22, wherein creating a device comprises creating a device  
2 which,

3           when established on the first network domain, may dynamically configure the  
4   device to facilitate connection to the first set of servers and

5           when established on the second network domain, may dynamically configure the  
6   device to facilitate connection to the second set of servers.

1   24: The method of claim 22, wherein the first set of servers and the second set of servers  
2   comprises a different subset of the series of servers which provide network resources.

1   25: The method of claim 21, wherein the first set of servers conforms to the agreed upon  
2   host names and are assigned additional, alternative host names.

1   26: The method of claim 21, wherein one of the two or more parties creates the device,  
2   and another of the two or more parties establishes servers on a network.

1   27: The method of claim 21, wherein one of the two or more parties instructs a third  
2   party to create the device and another of the two or more parties instructs a fourth party to  
3   establish the servers on a network.

1   28: An apparatus comprising:

2           a communication port for communication with a network interface; and

3           a control system;

4           the communication port and the control system coupled in such a way as to,

5   during operation, derive a substantially fully qualified server name.

1   29: The apparatus of claim 28, further comprising a network interface.

1 30: The apparatus of claim 28, wherein the communication port and the control system  
2 are coupled in such a way as to, during operation, to determine the domain name of the  
3 network interface.

1 31: The apparatus of claim 30, wherein the control system comprises a memory element  
2 to, at least temporarily store the domain name of the network interface.

1 32: The apparatus of claim 30, wherein the control system has a configuration so as to,  
2 during operation, generate the substantially fully qualified server name utilizing the  
3 domain name associated with the network interface and a host name.

1 33: The apparatus of claim 32, wherein the control system comprises a substantially  
2 predefined host name.

1 34: The apparatus of claim 33, wherein the control system comprises a memory element  
2 to, at least temporarily store the host name.

1 35: The apparatus of claim 32, wherein the control system has a configuration so as to,  
2 during operation, generate the substantially fully qualified server name by combining the  
3 domain name associated with the network interface and the host name.

1 36: The apparatus of claim 35, wherein the control system comprises a memory element  
2 to, at least temporarily store the substantially fully qualified server name.

1 37: The apparatus of claim 28, wherein the control system comprises a circuit  
2 specifically designed to generate the substantially fully qualified server name.

1 38: A machine accessible medium including thereon instructions which, when executed  
2 by a machine, cause the machine to perform a method comprising:

3 determining a domain name of a device; and

4 deriving a substantially fully qualified server name utilizing the domain name.

1 39: The method of claim 38, wherein deriving a substantially fully qualified server name  
2 comprises utilizing a host name.

1 40: The method of claim 39, wherein utilizing at least in part a host name comprises  
2 utilizing a substantially predefined host name.

1 41: The method of claim 39, wherein deriving a substantially fully qualified server name  
2 comprises combining the domain name and the host name.

1 42: The method of claim 38, wherein determining a domain name of a device comprises  
2 utilizing a network address.

1 43: The method of claim 42, wherein utilizing a network address comprises utilizing an  
2 Internet Protocol address (IP address).

1 44: The method of claim 38, wherein determining a domain name of a device comprises  
2 utilizing a substantially fully qualified client name.

1 45: The method of claim 44, wherein determining a domain name of a device comprises  
2 converting a network address of the device into the substantially fully qualified client  
3 name.

1 46: The method of claim 45, wherein converting a network address of the device into the  
2 substantially fully qualified client name comprises utilizing a name server.

1 47: The method of claim 46, wherein utilizing a name server comprises utilizing a server  
2 which is substantially compliant with the Domain Name System (DNS).

1 48: The method of claim 44, wherein determining a domain name of a device comprises  
2 removing a host name from the substantially fully qualified client name.

1 49: The method of claim 38, further comprising making a network connection to the  
2 substantially fully qualified server name.

1 50: The method of claim 38, wherein determining a domain name of a device comprises  
2 choosing a network interface and determining the domain name associated with the  
3 network interface.

1 51: The method of claim 50, wherein choosing a network interface comprises choosing a  
2 single network interface from a group of network interfaces.

1 52: The method of claim 38, further comprising reporting an error if determining a  
2 domain name of a device cannot be accomplished.